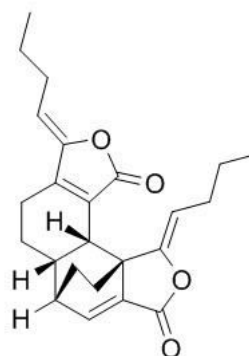


Levistilide A Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Levistilide A**Catalog No.:** CFN99707**Cas No.:** 88182-33-6**Purity:** > 98%**M.F:** C₂₄H₂₈O₄**M.W:** 380.48**Physical Description:** Cryst.

Synonyms: Diligustilide; Z,Z'-6,6',7,3'a-Diligustilide; (1Z,5S,5aS,8Z,10bS,10cS)-1,8-Dibutylidene-5,5a,6,7,8,10b-hexahydro-1H-5,10c-ethanonaphtho[1,2-c:7,8-c']difuran-3,10-dione.

**[Intended Use]**

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Ingredient in supplements, beverages;
8. Others.

[Source]

The roots of *Angelica sinensis*.

[Biological Activity or Inhibitors]

Levistolide A (LA) has reversing effect on P-glycoprotein (P-gp)-mediated multidrug resistance (MDR) in human breast carcinoma Bcap37/MDR1 cells, it dramatically enhances the verapamil (VER) ability to reverse drug resistance, LA has the potential to be developed as a novel P-gp modulator, and the combination of LA and VER may represent a more sufficient but less toxic anti-MDR regimen.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 280 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Chen F, Wang T, Wang J, *et al. Acta Pharm. Sin.*, 2008, 29(4):458-64.

[2] Yan R L. *Journal of Anhui Agricultural Sciences*, 2012,40(26):12857-58.

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